



The new radiation shields are used in outdoor installations to protect relative humidity and temperature measurement instruments from rain and sun radiation.



New Radiation Shield Models DTR502B and DTR503A

Vaisala has launched new radiation shield models which are available for vertical pole, horizontal beam or flat surface, such as wall, installation. The new radiation shield models are easy to install, maintenance free, and available separately as an additional accessory for the humidity instruments, to be integrated, for example, into HVAC application ventilation systems or a wide variety of weather stations and observing systems. The shields protect measurement instruments from scattered and direct solar radiation and rain, ensuring reliable measurement data.

The Vaisala DTR502B Radiation Shield is a naturally ventilated 9-plate radiation shield complete with accessories to allow easy installation of the sensor heads of HMP233 and HMP237 Humidity and Temperature Transmitters into the shield. In addition to the sensor head accessories, the mechanics for pole installation (i.e. vertical installation) is included.

The Vaisala DTR503A Radiation Shield is a naturally ventilated 12-plate radiation shield included with a similar vertical pole, horizontal beam or flat surface installation set to that of the DTR502B Radiation Shield.

The DTR503A Radiation Shield offers an accessory for HMP45A/D Humidity and Temperature Probe mounting.

In both models, the plates of the shields are made of a special material that offers excellent thermal characteristics and UV stabilized construction. For maximum protection, the outer surfaces are white to reflect radiation and the insides are black to absorb accumulated heat thus eliminating the possible warming inside the shield and resulting in very good measurement results in outdoor applications.

